

JP 2000143778

AN 2000-492687 [44] WPIX
DNN N2000-394526 DNC C2000-158964
TI Display element such as cathode ray tube and light emitting diode,
comprises specified light emitting compound as color developing material.
DC A85 E24 L03 U12 X26
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CYC 2
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KR 2000032065 A 20000605 (200110) <--
ADT JP 2000143778 A JP 1999-47270 19990224; KR 2000032065 A KR 1998-48404
19981112
PRAI KR 1998-48404 19981112
AB JP2000143778 A UPAB: 20001006

NOVELTY - The display element comprises a specified light emitting compound as color developing material.

DETAILED DESCRIPTION - A display element comprises a light emitting compound of formula (I) as a color developing material.

In (I), Ar1-Ar3 and Ar5-Ar7 = optionally substituted phenylene group or optionally substituted bivalent naphthalene, anthracene, diphenyl anthracene, phenanthrene, indene, acenaphthene, biphenyl, fluorene, carbazole, thiophene, pyridine, oxadiazole, oxazole, triazole, benzothiophene, dibenzofuran or thiadiazole groups; Ar4 = optionally substituted phenylene group or optionally substituted bivalent biphenyl, thiophene, pyridine, oxadiazole, oxazole, triazole or thiadiazole groups; R1-R6 = hydrogen, ethyleneoxy alkyl, ethyleneoxy alkylene, 1-20C alkyl, 1-20C alkoxy, allyl, trimethyl silyl or trimethyl silyl allyl groups; l and k = 0 or 1; and m = 10-200.

An INDEPENDENT CLAIM is also included for an organic electronic light-emitting element containing an organic film provided between a pair of electrodes. The organic film contains a light emitting compound of formula (I) as above.

USE - The display element is a cathode ray tube or a light emitting diode.

ADVANTAGE - The display element contains blue luminescent material, therefore its luminous efficiency is improved. The operating voltage, power consumption, brightness, contrast and durability of the display element are improved.

Dwg.0/0

